

A solid basis for rail traffic

Railroad ties based on the glass fibre reinforced integral skin foam from Baydur® have already been in use in Japan for many years, even on high-speed Shinkansen lines. The material offers far greater durability and much lower lifecycle costs than timber and is also highly resistant to moisture.

Moreover the noise produced by streetcars/trams – the cause of numerous complaints from local residents, particularly in city centres – can be effectively dampened using the complete polyurethane rail grouting system Büfaflex®. This material, which is based on the Bayflex® system, has been developed by Polyplan GmbH, Strasslach (Germany), and the BaySystems BÜFA systems house specifically for this application and boasts a customized pore structure that literally swallows up sound.

The material is electrically non-conducting and therefore helps to prevent the corrosion damage that stray currents cause gas and water pipes, is also more cost-effective to process than conventional rail grouting systems. Rails are simply “floated” in special formwork on site and then encased in the foamed polymeric material.

Polyurethane cuts costs, decreases noise pollution and increases efficiency.



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For more information, please contact:

ISOPA - European Diisocyanate and Polyol Producers Association
Av. E. Van Nieuwenhuysse Laan 4, Box 9
B-1160 Brussels
Tel: +32 2 676 74 75
Fax: +32 2 676 74 79
E-mail: main@isopa.org